BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Compreshensive development of roads, drains and footpath in HMT Layout, SBM Colony and Surrounding Areas in Ward No.17 under PACKAGE-2019-20 RRN-DIV-(10)

Measurement Sheet

2nd and Part

Item No:	17
Item Name:	Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift

	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	Cutting trench Portion/BWSSB									
	W0399									
	0.00	30.00	2	30.00	1.20	1.20	1.20	0.20	14.40	
	30.00	60.00	2	30.00	1.20	1.20	1.20	0.20	14.40	
	60.00	90.00	2	30.00	1.20	1.20	1.20	0.20	14.40	
	90.00	103.70	2	13.70	1.20	1.20	1.20	0.20	6.58	
	W0335									
	0.00	30.00	2	30.00	1.20	1.20	1.20	0.20	14.40	
	W0198									
	0.00	30.00	2	30.00	1.20	1.20	1.20	0.20	14.40	
	30.00	60.00	2	30.00	1.20	1.20	1.20	0.20	14.40	
	60.00	75.30	2	15.30	1.20	1.20	1.20	0.20	7.34	
	W0333									
	0.00	30.00	2	30.00	1.20	1.20	1.20	0.20	14.40	
	30.00	60.00	2	30.00	1.20	1.20	1.20	0.20	14.40	
	60.00	90.00	2	30.00	1.20	1.20	1.20	0.20	14.40	
	90.00	94.10	2	4.10	1.20	1.20	1.20	0.20	1.97	
	W0150									
	0.00	30.00	2	30.00	1.20	1.20	1.20	0.20	14.40	
	30.00	60.00	2	30.00	1.20	1.20	1.20	0.20	14.40	
	60.00	90.00	2	30.00	1.20	1.20	1.20	0.20	14.40	
	90.00	120.00	2	30.00	1.20	1.20	1.20	0.20	14.40	
	120.00	150.00	2	30.00	1.20	1.20	1.20	0.20	14.40	

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	CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	150.00	180.00	2	30.00	1.20	1.20	1.20	0.20	14.40	
	180.00	184.40	2	4.40	1.20	1.20	1.20	0.20	2.11	
								Total Qty Work Done	234.00	Cum
								Qty Payable in this bill	206.94	cum

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub Division

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Compreshensive development of roads, drains and footpath in HMT Layout, SBM Colony and Surrounding Areas in Ward No.17 under PACKAGE-2019-20 RRN-DIV-(10)

Measurement Sheet

2nd and Part

Item No:	18	
Item Name:	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	

CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Cutting trench Portion/BWSSB									
W0399									
0.00	30.00	2	30.00	1.20	1.20	1.20	0.10	7.20	
30.00	60.00	2	30.00	1.20	1.20	1.20	0.10	7.20	
60.00	90.00	2	30.00	1.20	1.20	1.20	0.10	7.20	
90.00	103.70	2	13.70	1.20	1.20	1.20	0.10	3.29	
W0335									
0.00	30.00	2	30.00	1.20	1.20	1.20	0.10	7.20	
W0198									
0.00	30.00	2	30.00	1.20	1.20	1.20	0.10	7.20	
30.00	60.00	2	30.00	1.20	1.20	1.20	0.10	7.20	
60.00	75.30	2	15.30	1.20	1.20	1.20	0.10	3.67	
W0333									
0.00	30.00	2	30.00	1.20	1.20	1.20	0.10	7.20	
30.00	60.00	2	30.00	1.20	1.20	1.20	0.10	7.20	
60.00	90.00	2	30.00	1.20	1.20	1.20	0.10	7.20	
90.00	94.10	2	4.10	1.20	1.20	1.20	0.10	0.98	
W0150									
0.00	30.00	2	30.00	1.20	1.20	1.20	0.10	7.20	
30.00	60.00	2	30.00	1.20	1.20	1.20	0.10	7.20	
60.00	90.00	2	30.00	1.20	1.20	1.20	0.10	7.20	
90.00	120.00	2	30.00	1.20	1.20	1.20	0.10	7.20	
120.00	150.00	2	30.00	1.20	1.20	1.20	0.10	7.20	

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	CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	150.00	180.00	2	30.00	1.20	1.20	1.20	0.10	7.20	
	180.00	184.40	2	4.40	1.20	1.20	1.20	0.10	1.06	
								Total Qty Work Done	117.00	Cum
								Qty Payable in this bill	103.13	cum

Contractor Representative

CIVIL QUALITY CONSULTANTS ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Compreshensive development of roads, drains and footpath in HMT Layout, SBM Colony and Surrounding Areas in Ward No.17 under PACKAGE-2019-20 RRN-DIV-(10)

Measurement Sheet

2nd and Part

Item No: 19

Item Name: Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift

	CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	Cutting trench Portion/BWSSB									
	W0399									
	0.00	30.00	2	30.00	1.20	1.20	1.20	0.15	10.80	
	30.00	60.00	2	30.00	1.20	1.20	1.20	0.15	10.80	
	60.00	90.00	2	30.00	1.20	1.20	1.20	0.15	10.80	
	90.00	103.70	2	13.70	1.20	1.20	1.20	0.15	4.93	
	W0335									
	0.00	30.00	2	30.00	1.20	1.20	1.20	0.15	10.80	
	W0198									
	0.00	30.00	2	30.00	1.20	1.20	1.20	0.15	10.80	
	30.00	60.00	2	30.00	1.20	1.20	1.20	0.15	10.80	
	60.00	75.30	2	15.30	1.20	1.20	1.20	0.15	5.51	
	W0333									
	0.00	30.00	2	30.00	1.20	1.20	1.20	0.15	10.80	
	30.00	60.00	2	30.00	1.20	1.20	1.20	0.15	10.80	
	60.00	90.00	2	30.00	1.20	1.20	1.20	0.15	10.80	
	90.00	94.10	2	4.10	1.20	1.20	1.20	0.15	1.48	
	W0150									
	0.00	30.00	2	30.00	1.20	1.20	1.20	0.15	10.80	
	30.00	60.00	2	30.00	1.20	1.20	1.20	0.15	10.80	
	60.00	90.00	2	30.00	1.20	1.20	1.20	0.15	10.80	
	90.00	120.00	2	30.00	1.20	1.20	1.20	0.15	10.80	
	120.00	150.00	2	30.00	1.20	1.20	1.20	0.15	10.80	

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	150.00	180.00	2	30.00	1.20	1.20	1.20	0.15	10.80	
	180.00	184.40	2	4.40	1.20	1.20	1.20	0.15	1.58	
								Total Qty Work Done	175.50	Cum
								Qty Payable in this bill	157.11	Cum

Contractor Representative

CIVIL QUALITY CONSULTANTS ENGINEERS

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Compreshensive development of roads, drains and footpath in HMT Layout, SBM Colony and Surrounding Areas in Ward No.17 under PACKAGE-2019-20 RRN-DIV-(10)

Measurement Sheet
2nd and Part

Item No: 20

Item Name: Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. Complete as per the direction of Engineer in charge with all lead and lift

CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
Cutting trench Portion/BWSSB									
W0399									
0.00	30.00	2	30.00	1.20	1.20	1.20		72.00	
30.00	60.00	2	30.00	1.20	1.20	1.20		72.00	
60.00	90.00	2	30.00	1.20	1.20	1.20		72.00	
90.00	103.70	2	13.70	1.20	1.20	1.20		32.88	
W0335									
0.00	30.00	2	30.00	1.20	1.20	1.20		72.00	
W0198									
0.00	30.00	2	30.00	1.20	1.20	1.20		72.00	
30.00	60.00	2	30.00	1.20	1.20	1.20		72.00	
60.00	75.30	2	15.30	1.20	1.20	1.20		36.72	
W0333									
0.00	30.00	2	30.00	1.20	1.20	1.20		72.00	
30.00	60.00	2	30.00	1.20	1.20	1.20		72.00	
60.00	90.00	2	30.00	1.20	1.20	1.20		72.00	
90.00	94.10	2	4.10	1.20	1.20	1.20		9.84	
W0150									

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CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
0.00	30.00	2	30.00	1.20	1.20	1.20		72.00	
30.00	60.00	2	30.00	1.20	1.20	1.20		72.00	
60.00	90.00	2	30.00	1.20	1.20	1.20		72.00	
90.00	120.00	2	30.00	1.20	1.20	1.20		72.00	
120.00	150.00	2	30.00	1.20	1.20	1.20		72.00	
150.00	180.00	2	30.00	1.20	1.20	1.20		72.00	
180.00	184.40	2	4.40	1.20	1.20	1.20		10.56	
							Total Qty Work Done	1170.00	Sqm
							Qty Payable in this bill	683.10	Sqm

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub Division

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Compreshensive development of roads, drains and footpath in HMT Layout, SBM Colony and Surrounding Areas in Ward No.17 under PACKAGE-2019-20 RRN-DIV-(10)

Measurement Sheet
2nd and Part

Item No: 21

Item Name: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift

CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
W0399									
0.00	30.00	1	30.00	3.80	4.00	3.90		117.00	
30.00	60.00	1	30.00	4.00	4.80	4.40		132.00	
60.00	90.00	1	30.00	4.80	4.80	4.80		144.00	
90.00	103.70	1	13.70	4.80	4.80	4.80		65.76	
W0335									
0.00	30.00	1	30.00	5.60	4.00	4.80		144.00	
W0198									
0.00	30.00	1	30.00	5.10	5.10	5.10		153.00	
30.00	60.00	1	30.00	5.10	5.30	5.20		156.00	
60.00	75.30	1	15.30	5.30	5.40	5.35		81.86	
W0333									
0.00	30.00	1	30.00	5.00	5.00	5.00		150.00	
30.00	60.00	1	30.00	5.00	5.40	5.20		156.00	
60.00	90.00	1	30.00	5.40	5.10	5.25		157.50	
90.00	94.10	1	4.10	5.10	5.00	5.05		20.71	
W0150									
0.00	30.00	1	30.00	4.10	5.10	4.60		138.00	
30.00	60.00	1	30.00	5.10	5.20	5.15		154.50	
60.00	90.00	1	30.00	5.20	6.70	5.95		178.50	
90.00	120.00	1	30.00	6.70	4.80	5.75		172.50	
120.00	150.00	1	30.00	4.80	4.00	4.40		132.00	
150.00	180.00	1	30.00	4.00	4.00	4.00		120.00	
180.00	184.40	1	4.40	4.00	5.40	4.70		20.68	
W0239 From Nandini Parlor									
0.00	30.00	1	30.00	7.80	10.00	8.90		267.00	
30.00	60.00	1	30.00	10.00	10.90	10.45		313.50	
60.00	76.60	1	16.60	10.90	10.50	10.70		177.62	
76.60	106.60	1	30.00	10.50	11.00	10.75		322.50	
106.60	136.60	1	30.00	11.00	12.50	11.75		352.50	
136.60	166.60	1	30.00	12.50	12.30	12.40		372.00	
166.60	196.60	1	30.00	12.30	12.20	12.25		367.50	
196.60	226.60	1	30.00	12.20	13.20	12.70		381.00	

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CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
226.60	244.80	1	18.20	13.20	13.30	13.25		241.15	
Divider Decuction		-1	135.00	1.40	1.40	1.40		-189.00	
10423 Mohan Kumar Nagara									
0.00	30.00	1	30.00	8.10	5.60	6.85		205.50	
30.00	60.00	1	30.00	5.60	5.80	5.70		171.00	
60.00	90.00	1	30.00	5.80	6.90	6.35		190.50	
90.00	120.00	1	30.00	6.90	3.90	5.40		162.00	
120.00	150.00	1	30.00	3.90	5.20	4.55		136.50	
150.00	170.00	1	20.00	5.20	5.00	5.10		102.00	
Deduct Primer Coat Qty								-683.10	
							Total Qty Work Done	5284.17	Cum
							Qty Payable in this bill	5284.17	Cum

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub Division

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Compreshensive development of roads, drains and footpath in HMT Layout, SBM Colony and Surrounding Areas in Ward No.17 under PACKAGE-2019-20 RRN-DIV-(10)

Measurement Sheet
2nd and Part

Item No: 22

Item Name: Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.Complete as per the direction of Engineer in charge with all lead and lift

CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
For DBM									
W0399									
0.00	30.00	1	30.00	3.80	4.00	3.90		117.00	
30.00	60.00	1	30.00	4.00	4.80	4.40		132.00	
60.00	90.00	1	30.00	4.80	4.80	4.80		144.00	
90.00	103.70	1	13.70	4.80	4.80	4.80		65.76	
W0335									
0.00	30.00	1	30.00	5.60	4.00	4.80		144.00	
W0198									
0.00	30.00	1	30.00	5.10	5.10	5.10		153.00	
30.00	60.00	1	30.00	5.10	5.30	5.20		156.00	
60.00	75.30	1	15.30	5.30	5.40	5.35		81.86	
W0333									
0.00	30.00	1	30.00	5.00	5.00	5.00		150.00	
30.00	60.00	1	30.00	5.00	5.40	5.20		156.00	
60.00	90.00	1	30.00	5.40	5.10	5.25		157.50	
90.00	94.10	1	4.10	5.10	5.00	5.05		20.71	
W0150									
0.00	30.00	1	30.00	4.10	5.10	4.60		138.00	
30.00	60.00	1	30.00	5.10	5.20	5.15		154.50	
60.00	90.00	1	30.00	5.20	6.70	5.95		178.50	
90.00	120.00	1	30.00	6.70	4.80	5.75		172.50	
120.00	150.00	1	30.00	4.80	4.00	4.40		132.00	
150.00	180.00	1	30.00	4.00	4.00	4.00		120.00	
180.00	184.40	1	4.40	4.00	5.40	4.70		20.68	
For BC									
W0399									
0.00	30.00	1	30.00	3.80	4.00	3.90		117.00	
30.00	60.00	1	30.00	4.00	4.80	4.40		132.00	
60.00	90.00	1	30.00	4.80	4.80	4.80		144.00	
90.00	103.70	1	13.70	4.80	4.80	4.80		65.76	
W0335									
0.00	30.00	1	30.00	5.60	4.00	4.80		144.00	
W0198									
0.00	30.00	1	30.00	5.10	5.10	5.10		153.00	
30.00	60.00	1	30.00	5.10	5.30	5.20		156.00	
60.00	75.30	1	15.30	5.30	5.40	5.35		81.86	
W0333									
0.00	30.00	1	30.00	5.00	5.00	5.00		150.00	

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CHAINAGE		NO	L (m)	B (m)	Bl (m)	Avg B (m)	D (m)	QTY	REMARKS
Land Mark									
30.00	60.00	1	30.00	5.00	5.40	5.20		156.00	
60.00	90.00	1	30.00	5.40	5.10	5.25		157.50	
90.00	94.10	1	4.10	5.10	5.00	5.05		20.71	
W0150	30.00	1	30.00	4.10				138.00	
0.00	60.00	1	30.00	5.10	5.10	4.60		134.50	
30.00	90.00	1	30.00	5.20	5.20	5.15		178.50	
60.00	120.00	1	30.00	6.70	6.70	5.95		172.50	
90.00	150.00	1	30.00	4.80	4.80	5.75		132.00	
120.00	180.00	1	30.00	4.00	4.00	4.40		120.00	
150.00	184.40	1	4.40	4.00	4.00	4.00		20.68	
W0230 From Nandini Parlor					5.40	4.70			
0.00	30.00	1	30.00	7.80				267.00	
30.00	60.00	1	30.00	10.00	10.00	8.90		313.50	
60.00	76.60	1	16.60	10.90	10.90	10.45		177.62	
76.60	106.60	1	30.00	10.50	10.50	10.70		322.50	
106.60	136.60	1	30.00	11.00	11.00	10.75		352.50	
136.60	166.60	1	30.00	12.50	12.50	11.75		372.00	
166.60	196.60	1	30.00	12.30	12.30	12.40		367.50	
196.60	226.60	1	30.00	12.20	12.20	12.25		381.00	
226.60	244.80	1	18.20	13.20	13.20	12.70		241.15	
Divider Decuction		-1	135.00	1.40	13.30	13.25		-189.00	
W0423 Mohan Kumar Nagara					1.40	1.40			
0.00	30.00	1	30.00	8.10				205.50	
30.00	60.00	1	30.00	5.60	5.60	6.85		171.00	
60.00	90.00	1	30.00	5.80	5.80	5.70		190.50	
90.00	120.00	1	30.00	6.90	6.90	6.35		162.00	
120.00	150.00	1	30.00	3.90	3.90	5.40		136.50	
150.00	170.00	1	20.00	5.20	5.20	4.55		102.00	
Deduct Primer Coat Qty					5.00	5.10		-683.10	
							Total Qty Work Done	7678.17	Sqm
							Qty Payable in this bill	7678.17	Sqm

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub Division

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Compreshensive development of roads, drains and footpath in HMT Layout, SBM Colony and Surrounding Areas in Ward No.17 under PACKAGE-2019-20 RRN-DIV-(10)

Measurement Sheet
2nd and Part

Item No. 23

Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75mm) with 4.5 % VG-30 Bitumen Complete as per the direction of Engineer in charge with all lead and lift

CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
W0399-									
0.00	30.00	1	30.00	3.80	4.00	3.90	0.05	5.85	
30.00	60.00	1	30.00	4.00	4.80	4.40	0.05	6.60	
60.00	90.00	1	30.00	4.80	4.80	4.80	0.05	7.20	
90.00	103.70	1	13.70	4.80	4.80	4.80	0.05	3.29	
W0335									
0.00	30.00	1	30.00	5.60	4.00	4.80	0.05	7.20	
W0198									
0.00	30.00	1	30.00	5.10	5.10	5.10	0.05	7.65	
30.00	60.00	1	30.00	5.10	5.30	5.20	0.05	7.80	
60.00	75.30	1	15.30	5.30	5.40	5.35	0.05	4.09	
W0333									
0.00	30.00	1	30.00	5.00	5.00	5.00	0.05	7.50	
30.00	60.00	1	30.00	5.00	5.40	5.20	0.05	7.80	
60.00	90.00	1	30.00	5.40	5.10	5.25	0.05	7.88	
90.00	94.10	1	4.10	5.10	5.00	5.05	0.05	1.04	
W0150									
0.00	30.00	1	30.00	4.10	5.10	4.60	0.05	6.90	
30.00	60.00	1	30.00	5.10	5.20	5.15	0.05	7.73	
60.00	90.00	1	30.00	5.20	6.70	5.95	0.05	8.93	
90.00	120.00	1	30.00	6.70	4.80	5.75	0.05	8.63	
120.00	150.00	1	30.00	4.80	4.00	4.40	0.05	6.60	
150.00	180.00	1	30.00	4.00	4.00	4.00	0.05	6.00	
180.00	184.40	1	4.40	4.00	5.40	4.70	0.05	1.03	
W0125									
0.00	30.00	1	30.00	5.50	5.40	5.45	0.05	8.18	
30.00	60.00	1	30.00	5.40	5.30	5.35	0.05	8.03	
60.00	90.00	1	30.00	5.30	5.30	5.30	0.05	7.95	
90.00	120.00	1	30.00	5.30	4.80	5.05	0.05	7.58	

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CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
120.00	150.00	1	30.00	4.80	5.00	4.90	0.05	7.35	
150.00	177.70	1	27.70	5.00	5.40	5.20	0.05	7.20	
W0127									
0.00	30.00	1	30.00	5.50	5.30	5.40	0.05	8.10	
30.00	37.10	1	7.10	5.30	5.10	5.20	0.05	1.85	
W0084									
0.00	30.00	1	30.00	4.40	4.80	4.60	0.05	6.90	
30.00	54.70	1	24.70	4.80	5.20	5.00	0.05	6.18	
W0239 From Nandini Parlor									
0.00	30.00	1	30.00	7.80	10.00	8.90	0.05	13.35	
30.00	60.00	1	30.00	10.00	10.90	10.45	0.05	15.68	
60.00	76.60	1	16.60	10.90	10.50	10.70	0.05	8.88	
76.60	106.60	1	30.00	10.50	11.00	10.75	0.05	16.13	
106.60	136.60	1	30.00	11.00	12.50	11.75	0.05	17.63	
136.60	166.60	1	30.00	12.50	12.30	12.40	0.05	18.60	
166.60	196.60	1	30.00	12.30	12.20	12.25	0.05	18.38	
196.60	226.60	1	30.00	12.20	13.20	12.70	0.05	19.05	
226.60	244.80	1	18.20	13.20	13.30	13.25	0.05	12.06	
Divider Decuction		-1	135.00	1.40	1.40	1.40	0.05	-9.45	
10423 Mohan Kumar Nagara									
0.00	30.00	1	30.00	8.10	5.60	6.85	0.05	10.28	
30.00	60.00	1	30.00	5.60	5.80	5.70	0.05	8.55	
60.00	90.00	1	30.00	5.80	6.90	6.35	0.05	9.53	
90.00	120.00	1	30.00	6.90	3.90	5.40	0.05	8.10	
120.00	150.00	1	30.00	3.90	5.20	4.55	0.05	6.83	
150.00	170.00	1	20.00	5.20	5.00	5.10	0.05	5.10	
						Total Qty Work Done		367.66	Cum
						Qty Payable in this bill		367.66	Cum

Contractor Representative

CIVIL QUALITY CONSULTANTS ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub Division

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Compreshensive development of roads, drains and footpath in HMT Layout, SBM Colony and Surrounding Areas in Ward No.17 under PACKAGE-2019-20 RRN-DIV-(10)

Measurement Sheet
2nd and Part

Item No: 24

Item Name: Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision. -using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 40 mm) with 5.4% VG-30 Bitumen Complete as per the direction of Engineer in charge with all lead and lift

CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
W0399									
0.00	30.00	1	30.00	3.80	4.00	3.90	0.04	4.68	
30.00	60.00	1	30.00	4.00	4.80	4.40	0.04	5.28	
60.00	90.00	1	30.00	4.80	4.80	4.80	0.04	5.76	
90.00	103.70	1	13.70	4.80	4.80	4.80	0.04	2.63	
W0335									
0.00	30.00	1	30.00	5.60	4.00	4.80	0.04	5.76	
W0198									
0.00	30.00	1	30.00	5.10	5.10	5.10	0.04	6.12	
30.00	60.00	1	30.00	5.10	5.30	5.20	0.04	6.24	
60.00	75.30	1	15.30	5.30	5.40	5.35	0.04	3.27	
W0333									
0.00	30.00	1	30.00	5.00	5.00	5.00	0.04	6.00	
30.00	60.00	1	30.00	5.00	5.40	5.20	0.04	6.24	
60.00	90.00	1	30.00	5.40	5.10	5.25	0.04	6.30	
90.00	94.10	1	4.10	5.10	5.00	5.05	0.04	0.83	
W0150									
0.00	30.00	1	30.00	4.10	5.10	4.60	0.04	5.52	
30.00	60.00	1	30.00	5.10	5.20	5.15	0.04	6.18	
60.00	90.00	1	30.00	5.20	6.70	5.95	0.04	7.14	
90.00	120.00	1	30.00	6.70	4.80	5.75	0.04	6.90	
120.00	150.00	1	30.00	4.80	4.00	4.40	0.04	5.28	
150.00	180.00	1	30.00	4.00	4.00	4.00	0.04	4.80	
180.00	184.40	1	4.40	4.00	5.40	4.70	0.04	0.83	
W0125									
0.00	30.00	1	30.00	5.50	5.40	5.45	0.04	6.54	
30.00	60.00	1	30.00	5.40	5.30	5.35	0.04	6.42	
60.00	90.00	1	30.00	5.30	5.30	5.30	0.04	6.36	
90.00	120.00	1	30.00	5.30	4.80	5.05	0.04	6.06	
120.00	150.00	1	30.00	4.80	5.00	4.90	0.04	5.88	
150.00	177.70	1	27.70	5.00	5.40	5.20	0.04	5.76	
W0127									
0.00	30.00	1	30.00	5.50	5.30	5.40	0.04	6.48	
30.00	37.10	1	7.10	5.30	5.10	5.20	0.04	1.48	
W0084									
0.00	30.00	1	30.00	4.40	4.80	4.60	0.04	5.52	

Executive Engineer
Ward Nagara Division
Bruhat Bangalore Mahanagara Palike
Bengaluru - 560 054.

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CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
30.00	54.70	1	24.70	4.80	5.20	5.00	0.04	4.94	
W0239 From Nandini Parlor									
0.00	30.00	1	30.00	7.80	10.00	8.90	0.04	10.68	
30.00	60.00	1	30.00	10.00	10.90	10.45	0.04	12.54	
60.00	76.60	1	16.60	10.90	10.50	10.70	0.04	7.10	
76.60	106.60	1	30.00	10.50	11.00	10.75	0.04	12.90	
106.60	136.60	1	30.00	11.00	12.50	11.75	0.04	14.10	
136.60	166.60	1	30.00	12.50	12.30	12.40	0.04	14.88	
166.60	196.60	1	30.00	12.30	12.20	12.25	0.04	14.70	
196.60	226.60	1	30.00	12.20	13.20	12.70	0.04	15.24	
226.60	244.80	1	18.20	13.20	13.30	13.25	0.04	9.65	
Divider Decuction		-1	135.00	1.40	1.40	1.40	0.04	7.56	
10423 Mohan Kumar Nagara									
0.00	30.00	1	30.00	8.10	5.60	6.85	0.04	8.22	
30.00	60.00	1	30.00	5.60	5.80	5.70	0.04	6.84	
60.00	90.00	1	30.00	5.80	6.90	6.35	0.04	7.62	
90.00	120.00	1	30.00	6.90	3.90	5.40	0.04	6.48	
120.00	150.00	1	30.00	3.90	5.20	4.55	0.04	5.46	
150.00	170.00	1	20.00	5.20	5.00	5.10	0.04	4.08	
							Total Qty Work Done	294.13	Cum
							Qty Payable in this bill	294.13	Cum

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub Division

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